

LAND RESOURCES OF MURRAY DOWNS STATION

Southern - Sheet 2 of 2

For further information contact:
Department of Environment and Natural Resources
Director, Land Assessment, Rangelands Division
Ph: (08) 8999 4443 Email: rangelands@nt.gov.au Web: http://denr.nt.gov.au
Level 3, Goyder Centre, 25 Chung Wah Terrace, Palmerston, Northern Territory of Australia.
Web: http://nrmmaps.nt.gov.au Map Reference: Murray-Downs-Southern_Land-Resources_Sht-2

BIBLIOGRAPHIC REFERENCE:
Grant, A.R. *THE PASTORAL LAND RESOURCES OF MURRAY DOWNS STATION* (1989)
Technical Memorandum TM 89/10 Land Conservation Unit,
Conservation commission of the Northern Territory, Alice Springs NT.

TECHNICAL REFERENCES:
McDonald, R.C., Isbell, R.F., Speight, J.G., Walker, J. and Hopkins, M.S. (1984)
AUSTRALIAN SOIL and LAND SURVEY FIELD HANDBOOK
Inkata Press, Melbourne
Isbell R.F. (2002) *THE AUSTRALIAN SOIL CLASSIFICATION*, Revised Edition
CSIRO Publishing, Melbourne

Kilometres 0 2 4 6 8 10 kilometres
Black numbered lines are 10 000 metre intervals of the Map Grid of Australia (MGA) Zone 53
Transverse Mercator Projection
Horizontal Datum: GDA 94

This map was produced on the Geocentric Datum of Australia 1994 (GDA 94)
Land resource information has been derived from aerial photograph interpretation and field collection of data describing landform, soil and vegetation.
Mapping has been collected according to the national standards and prepared at a scale of 1 : 100 000.
Enlarging this map beyond this scale will not provide further detail. A site inspection should always accompany mapping for specific areas.

LAND UNIT DESCRIPTIONS

HILLS
1.1 Ranges and hills: Lithosols (Rudisols); Grevillea wickhamii, Acacia hilliana and Senna glutinosa Tall sparse shrubland.

LOW HILLS
1.2 Hills and sandstone outcrops: Lithosols (Rudisols); Grevillea wickhamii, Senna aemerosoides and Eremophila latrobei Tall open shrubland.

RISES
2.3 Broad rises with gentle slopes; Red earths (Kandosols); Acacia aneura, Acacia kempeana, Eucalyptus pachyphylla Tall open shrubland.
3.3 Gently undulating rises; Red earths (Kandosols); Acacia cuibertsonii with Acacia aneura and Senna spp., Tall sparse shrubland.

LOW RISES
5.1 Low rises of calcare; Calcareous red earths (Calcarosols); Acacia kempeana Tall sparse shrubland.

PLAINS
2.1 Level plains; Red earths (Kandosols); Acacia aneura Low open woodland.
2.4 Very gently sloping plains; Red earths (Kandosols); Acacia aneura or Acacia kempeana Low open woodland.
3.1 Level to gently sloping plains; Red earths (Kandosols); Eucalyptus odontocarpa, Eucalyptus normantonensis Tall sparse mallee shrubland.
3.2 Level plains; Red earths (Kandosols); Acacia georginae Low open woodland.
4.1 Level plains; Red earths (Kandosols); Aristida contorta, Eremopogon polyphyllus and Fimbristylis dichotoma Low open grassland.
4.2 Level plains; Red earths (Kandosols); Aristida contorta Mixed spp., Low sparse grassland.
6.4 Plains with scaled surfaces; Red earths (Kandosols); Fimbristylis dichotoma, Triopogon loliformis and Aristida contorta Low sparse grassland.

ALLUVIAL PLAINS
6.1 Floodplains and floodouts; Alluvial soils (Tenosols); Acacia estrophiolata Low open woodland.
6.2 Flat floored drainage depressions; Alluvial soils (Kandosols); Corymbia aparnerinja, Eucalyptus microtheca, Atalaya hemiglauca Mid high open woodland.
6.3 Terraces and channel fills; Gravelly red earths (Kandosols); Acacia aneura Low open woodland.

SANDPLAINS
8.1 Gently undulating plains; Red earths (Kandosols); Acacia coriacea, Eremophila longifolia and Hakea suberea Tall sparse shrubland.
8.2 Flat sandplains; Sandy red earths (Kandosols); Eucalyptus pachyphylla Tall open mallee shrubland.
8.3 Gently undulating sandplains with broad rises; Earthy sands (Tenosols); Eucalyptus pachyphylla, Eucalyptus gamophylla Tall sparse mallee shrubland.
8.5 Sandplains; Sandy red earths (Kandosols); Corymbia opaca and Corymbia aparnerinja Low open woodland.

DUNEFIELDS
8.4 Dunefields; Siliceous sands (Tenosols); Eucalyptus pachyphylla with Corymbia opaca Tall sparse mallee shrubland.

DRAINAGE SYSTEMS
2.2 Level drainage floors; Red earths (Kandosols); Acacia aneura Low open woodland.

SWAMPS
3.4 Level or gently sloping plains, swamp margins; Yellow earths (Kandosols); Eucalyptus microtheca with Acacia aneura Low open woodland.
7.1 Swamps fed by creek floodouts; Brown clays (Vertosols); Eucalyptus microtheca Low open woodland.
7.2 Swamps occupying closed depressions; Grey and Brown clays (Vertosols); Chenopodium auricomum Mid high open chenopod shrubland.
7.3 Swamps occupying closed depressions; Yellow and Red earths (Kandosols); Acacia aneura with Eucalyptus microtheca Low woodland.
7.4 Flood basins along creek floodouts; Red earths (Kandosols); Eucalyptus camaldulensis and Acacia cowleana Low woodland.

GENERAL FEATURES

Land unit boundary
Extent of mapping
Property boundary
Wycliffe Well
Ali Curung
Imangara
Impererth
Murray Downs
Highway - sealed
Main road - sealed
Main road - unsealed
Minor road - unsealed
Local road / track
Railway
Landing ground
Microseismic Tower
Vertical obstruction
Water bore
Water well
Dam
Fenceline
Yard
Water pipeline
Mountain
Watercourse, mainly dry
Waterhole
Subject to inundation

© Northern Territory of Australia

This product and all material forming part of it is copyright belonging to the Northern Territory of Australia. You may use this material for your personal, non-commercial use or use it within your organisation for non-commercial purposes, provided that an appropriate acknowledgment is made and the material is not altered in any way. Subject to the fair dealing provisions of the Copyright Act 1968, you must not make any other use of this product (including copying or reproducing it or part of it in any way) unless you have the written permission of the Northern Territory of Australia to do so.

The Northern Territory of Australia does not warrant that the product or any part of it is correct or complete and will not be liable for any loss damage or injury suffered by any person as a result of its inaccuracy or incompleteness.
Cartography by L. Fritz, May 2010
Updated by R. Lim, May 2017
Geospatial Services, Water Resources
Department of Environment and Natural Resources
Northern Territory of Australia

